

Page 7, between lines 10 and 11 insert - -BRIEF DESCRIPTION OF THE  
DRAWINGS- -- ; and

between lines 20 and 21<sup>17</sup> insert - -DESCRIPTION OF THE PREFERRED  
EMBODIMENTS- -.

IN THE ABSTRACT:

Insert the abstract found upon the accompanying pages in its entirety.

IN THE CLAIMS:

Amend Claims 3-11 and 13-15 as follows and add Claims 16-20:

3. A method in accordance with claim 1, wherein the product gas (23) is guided back in the pyrolysis reactor (1).
4. A method in accordance with claim 1, wherein solidifying agents (21) such as steam, oxygen or air or a mixture thereof are added into the pyrolysis reactor (1).
5. A method in accordance with claim 1, wherein the surface of the reactor wall of the combustion fluidized bed (3) has any closed geometrical shape on the side of the pyrolysis reactor (1) and the combustion fluidized bed (3).
6. A method in accordance with claim 1, wherein the reactions of the pyrolysis gases (13) with the solidifying agent (21) are carried out at temperatures of 800°C to 1,050°C.
7. A method in accordance with claim 1, wherein the reactions of the pyrolysis gases (13) with the solidifying agent (21) are carried out in the presence of a catalyst.
8. A method in accordance with claim 1, wherein the reactions (13) with the solidifying agent (21) are carried out in a solid bed of catalyst material.